

A. CLASSIFICATION OF SUBJECT MATTER		IPC 7 F21K2/00 C09K11/06 C09K11/08	
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
IPC 7 F21K C09K			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)			
EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	DE 197 28 449 C (FRAUNHOFER GES FORSCHUNG) 19 November 1998 (1998-11-19) page 2, lines 34-54; claims 1-13 page 3, lines 14-26 - lines 36-50 page 3, line 62 - page 4, line 9	1	
Y	KIPSHIDZE G ET AL: "DEEP ULTRAVIOLET ALGAINN-BASED LIGHT-EMITTING DIODES ON SI(111) AND SAPPHIRE" PHYSICA STATUS SOLIDI (A). APPLIED RESEARCH, BERLIN, DE, vol. 192, no. 2, 15 March 2002 (2002-03-15), pages 286-291, XP001179920 ISSN: 0031-8965 the whole document	2-10	
	-/-	7	
<input checked="" type="checkbox"/>	Further documents are listed in the continuation of box C.	<input checked="" type="checkbox"/>	Patent family members are listed in annex.
Special categories of cited documents :			
A document defining the general state of the art which is not considered to be of particular relevance		*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
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P document published prior to the international filing date but later than the priority date claimed			
Date of the actual completion of the international search		Date of mailing of the international search report	
10 September 2004		17/09/2004	
Name and mailing address of the ISA		Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Wengeler, H	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 382 272 A (PAPE HEINZ ET AL) 3 May 1983 (1983-05-03) column 1, lines 56-60; claims 1-14; figure 2 column 5, lines 36-43 -----	2-6,8-10
Y	EP 0 706 006 A (ROEHM GMBH) 10 April 1996 (1996-04-10) page 2, lines 41-50; claims 1-4 page 3, lines 10-42 page 4, lines 1-11 -----	2-6,8-10

Information on patent family members

International Application No
IB2004/050564

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 19728449	C	19-11-1998	DE	19728449 C1		19-11-1998
US 4382272	A	03-05-1983	DE	2946191 A1		21-05-1981
			EP	0029199 A1		27-05-1981
			JP	56087078 A		15-07-1981
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			EP	0706006 A2		10-04-1996
			JP	8211838 A		20-08-1996